

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/067887 A3

(51) International Patent Classification⁷: **A61K 9/20**,
31/401, 31/403, 31/549

(21) International Application Number:
PCT/IS2005/000008

(22) International Filing Date: 23 March 2005 (23.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
7196 24 March 2004 (24.03.2004) IS
7772 23 March 2005 (23.03.2005) IS

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
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PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments
— upon request of the applicant, before the expiration of the
time limit referred to in Article 21(2)(a)

(88) Date of publication of the international search report:

3 November 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: FORMULATIONS OF RAMIPRIL

(57) Abstract: The present invention relates to stable tablet formulations of ramipril, optionally in combination with a diuretic.



WO 2005/067887 A3

INTERNATIONAL SEARCH REPORT

International Application No

T/IS2005/000008

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/20 A61K31/401 A61K31/403 A61K31/549

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/075842 A (TEVA) 18 September 2003 (2003-09-18) claims examples	1,2,6,7
X	US 2003/215526 A1 (S. STOFIK ET AL.) 20 November 2003 (2003-11-20) cited in the application claims examples paragraphs '0025!, '0026!, '0029! - '0032! ----- -/--	1,2,6,7



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Date of the actual completion of the international search

7 September 2005

Date of mailing of the international search report

16/09/2005

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Scarponi, U

INTERNATIONAL SEARCH REPORT

International Application No

T/IS2005/000008

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/028707 A (B.C. SHERMAN) 10 April 2003 (2003-04-10) cited in the application claims page 3, line 21 - line 29 page 4, line 21 - line 28 page 5, line 5 - line 18 examples	1-11
Y	WO 03/059388 A (DELTA HE) 24 July 2003 (2003-07-24) claims examples	1-11
Y	WO 03/063834 A (PACIFIC CORPORATION) 7 August 2003 (2003-08-07) claims examples	1-11
Y	EP 0 215 357 A (HOECHST) 25 March 1987 (1987-03-25) cited in the application claims examples	1-11
Y	US 5 151 433 A (W. FUELBRETH ET AL) 29 September 1992 (1992-09-29) cited in the application claims examples	1-11
Y	WO 93/17685 A (MERCK) 16 September 1993 (1993-09-16) cited in the application claims examples	1-11
Y	US 4 743 450 A (M. HARRIS ET AL.) 10 May 1988 (1988-05-10) cited in the application claims examples column 2, line 65 column 3, line 23 - column 4, line 43	1-11
P,X	WO 2005/007130 A (NOVARTIS) 27 January 2005 (2005-01-27) claims examples	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

■T/IS2005/000008

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03075842	A	18-09-2003	AU 2003217916 A1 WO 03075842 A2	22-09-2003 18-09-2003
US 2003215526	A1	20-11-2003	NONE	
WO 03028707	A	10-04-2003	CA 2357982 A1 AT 299697 T WO 03028707 A1 DE 60205125 D1 EP 1429748 A1 US 2005169981 A1	28-03-2003 15-08-2005 10-04-2003 25-08-2005 23-06-2004 04-08-2005
WO 03059388	A	24-07-2003	AU 2003235579 A1 EP 1513555 A1 WO 03059388 A1 US 2005118259 A1	30-07-2003 16-03-2005 24-07-2003 02-06-2005
WO 03063834	A	07-08-2003	CA 2472237 A1 CN 1625390 A EP 1469834 A1 WO 03063834 A1 KR 2003066351 A US 2003180362 A1	07-08-2003 08-06-2005 27-10-2004 07-08-2003 09-08-2003 25-09-2003
EP 0215357	A	25-03-1987	DE 3532036 A1 AT 75610 T AU 597270 B2 AU 6243186 A CA 1340722 C DE 3685177 D1 DE 3685177 T DK 427886 A EP 0215357 A2 ES 2001940 A6 FI 863594 A GR 862285 A1 HU 41640 A2 IE 59308 B1 IL 79965 A JP 2098628 C JP 8009549 B JP 62061928 A KR 9410032 B1 NO 863583 A NZ 217489 A PH 23716 A PT 83322 A ,B US 5256687 A ZA 8606810 A	26-03-1987 15-05-1992 31-05-1990 12-03-1987 07-09-1999 11-06-1992 11-06-1992 10-03-1987 25-03-1987 01-07-1988 10-03-1987 12-01-1987 28-05-1987 09-02-1994 31-08-1990 02-10-1996 31-01-1996 18-03-1987 21-10-1994 10-03-1987 26-07-1990 27-09-1989 01-10-1986 26-10-1993 29-04-1987
US 5151433	A	29-09-1992	DE 3739690 A1 AT 74513 T AU 2581888 A CA 1338344 C CN 1042917 A ,C DE 3869919 D1 DK 653688 A EP 0317878 A1	08-06-1989 15-04-1992 25-05-1989 21-05-1996 13-06-1990 14-05-1992 25-05-1989 31-05-1989

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IS2005/000008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5151433	A	ES 2033400 T3	16-03-1993
		FI 885398 A ,B,	25-05-1989
		GR 3004925 T3	28-04-1993
		HU 48455 A2	28-06-1989
		IE 61173 B1	05-10-1994
		JP 1165596 A	29-06-1989
		JP 2049604 C	10-05-1996
		JP 7068140 B	26-07-1995
		KR 9704908 B1	08-04-1997
		NO 885213 A ,B,	25-05-1989
		NZ 227032 A	28-05-1991
		PH 27416 A	21-06-1993
		PT 89061 A ,B	01-12-1988
		US 5442008 A	15-08-1995
		ZA 8808734 A	26-07-1989
WO 9317685	A	16-09-1993	
		AU 686097 B2	05-02-1998
		AU 3736093 A	05-10-1993
		CA 2130577 A1	16-09-1993
		DE 9321579 U1	15-06-2000
		DK 9200258 U4	23-07-1993
		EP 0643580 A1	22-03-1995
		ES 2083931 T1	01-05-1996
		JP 7504659 T	25-05-1995
		NO 943353 A	09-09-1994
		NZ 249773 A	26-01-1996
		WO 9317685 A1	16-09-1993
		US 5686451 A	11-11-1997
		ZA 9301714 A	30-09-1993
US 4743450	A	10-05-1988	
		AT 84210 T	15-01-1993
		AU 597471 B2	31-05-1990
		AU 1130588 A	25-08-1988
		CA 1300510 C	12-05-1992
		DE 3877226 D1	18-02-1993
		DE 3877226 T2	29-04-1993
		DK 94088 A	25-08-1988
		EP 0280999 A2	07-09-1988
		HK 59496 A	12-04-1996
		IE 60931 B1	07-09-1994
		JP 2619904 B2	11-06-1997
		JP 63225322 A	20-09-1988
		NZ 223407 A	29-08-1989
		PH 26279 A	10-04-1992
		ZA 8800382 A	27-09-1989
WO 2005007130	A	27-01-2005	
		US 2005009806 A1	13-01-2005
		WO 2005007130 A1	27-01-2005
		US 2005142196 A1	30-06-2005